

# Protocol 6: Synthetic- medium

## 1. Material

- Bacto-yeast nitrogen base without amino acids
- Glucose
- Bacto-agar
- Drop-out mix consisting out of:
  - o Adenine 0.5g
  - o Leucine 10g
  - o Alanine 2.0g
  - o Lysine 2.0g
  - o Arginine 2.0g
  - o Methionine 2.0g
  - o Asparagine 2.0g
  - o para-Aminobenzoic acid 0.2g
  - o Aspartic acid 2.0g
  - o Phenylalanine 2.0g
  - o Cysteine 2.0g
  - o Proline 2.0g
  - o Glutamine 2.0g
  - o Serine 2.0g
  - o Glutamic acid 2.0g
  - o Threonine 2.0g
  - o Glycine 2.0g
  - o Tryptophan 2.0g
  - o Histidine 2.0g
  - o Tyrosine 2.0g
  - o Inositol 2.0g
  - o Uracil 2.0g
  - o Isoleucine 2.0g
  - o Valine 2.0g
- Distilled water

## 2. Instruments

- Autoclave
- 4x 250 ml flasks
- 1 l measuring cup

## 3. Experimental procedure

- Weigh in following substances measuring cup:

Bacto-yeast nitrogen base without amino acids	6.7 g
Bacto-agar	20 g
Drop-out mix	2 g

- Add 1000 ml distilled Water

- Stir with stirring bar to gain
- Distribute solution in 250 ml flasks
- Autoclave
- Sterilely add 5g glucose in each flask